

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTENTION: APPLICATION BRANCH

In re the Application of:  
Geoffrey D. Nunberg, et al.

Application No.: 09/100,189  
Filed: 06/18/98

Group Art Unit: 2772  
Attorney Docket No.: D/95465

Title: ARTICLE AND METHOD OF AUTOMATICALLY DETERMINING TEXT GENRE USING  
SURFACE FEATURES OF UNTAGGED TEXTS

**REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT**

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir or Madam:

A corrected filing receipt is hereby requested in view of the error which appears on the original. For the convenience of the Patent and Trademark Office, attached is a photo-copy of the first page of the application, a copy of the declaration and power of attorney and a copy of the original receipt on which the error, the word **TEXT** should appear between **DETERMINING** and **GENRE** in the title, has been noted in red. The title should read:

ARTICLE AND METHOD OF AUTOMATICALLY DETERMINING TEXT GENRE USING  
SURFACE FEATURES OF UNTAGGED TEXTS

A second error, missing inventors names and addresses: **Geoffrey D. Nunberg, San Francisco, CA; Hinrich Schuetze, San Francisco, CA; Jan O. Pedersen, Fremont, CA; Brett L. Kessler, Menlo Park, CA; Gregory Grefenstette, Saint Martin d'Herres, France**, have also been noted in red.

As the error was made by the Patent and Trademark Office, it is believed that no fee is due. However, please credit or debit Deposit Account 24-0025 as necessary to effect entry of the attached corrections.

Very truly yours,

Susan K. Vanderschmidt  
Domestic Docket Coordinator

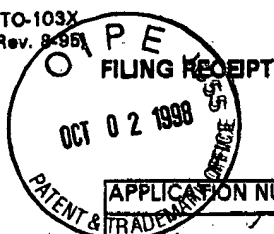
Telephone No. 716-423-3725  
Date of Signature: September 29, 1998

Xerox Corporation  
Office of General Counsel  
Xerox Square - 20A  
Rochester, New York 14644

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GROUP 2700

PTO-103X  
(Rev. 8-95)

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/100,189	06/18/98	2772	\$1,026.00	D/95465	6	27	4

RONALD ZIBELLI  
XEROX CORPORATION  
XEROX SQUARE 20A  
ROCHESTER NY 14644

DOCKETED DWA

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

## Applicant(s)

GEOFFREY D. NUNBERG, ~~San Francisco, CA~~; Hinrich Schuetze, San Francisco, CA

✓CONTINUING DATA AS CLAIMED BY APPLICANT-

PROVISIONAL APPLICATION NO. 60/051,558 07/02/97

FOREIGN FILING LICENSE GRANTED 07/09/98

## TITLE

ARTICLE AND METHOD OF AUTOMATICALLY DETERMINING <sup>TEXT</sup> GENRE USING SURFACE  
FEATURES OF UNTAGGED TEXTS

PRELIMINARY CLASS: 707

Jan O. Pedersen, Fremont, CA; Brett L. Kessler, Menlo Park, CA;  
Gregory Grefenstette, Saint Martin d'Heres, France

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JUL 20 1998

PATENT DEPARTMENT

Express Mail [ 065635465US  
Mailing Date: June 18, 1998

Patent Application  
Attorney Docket No.: D95465



## ARTICLE AND METHOD OF AUTOMATICALLY DETERMINING TEXT GENRE USING SURFACE FEATURES OF UNTAGGED TEXTS

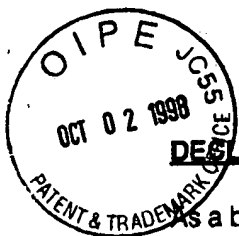
### Field of the Invention

The present invention relates to computational linguistics. In particular, the present invention relates to a method of automatically determining the text genre of machine-readable texts based upon surface level cues observed within the untagged texts.

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GROUP 2100

### Background of the Invention

The word "genre" usually functions as a literary substitute for "kind of text." Text genre differs from the related concepts of text topic and document genre. Text genre and text topic are not wholly independent. Distinct text genres like newspaper stories, novels and scientific articles tend to largely deal with different ranges of topics; however, topical commonalities within each of these text genres are very broad and abstract. Additionally, any extensive collection of texts relating to a single topic almost always includes works of more than one text genre so that the formal similarities between them are limited to the presence of lexical items. While text genre as a concept is independent of document genre, the two genre types grow up in close historical association with dense functional interdependencies. For example, a single text genre may be associated with several document genres. A short story may appear in a magazine or anthology or a novel can be published serially in parts, reissued as



## PATENT APPLICATION

Attorney Docket No. D/95465

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ARTICLE AND METHOD OF AUTOMATICALLY DETERMINING TEXT GENRE USING SURFACE FEATURES OF UNTAGGED TEXTS**

the specification and claims of which

☐ are attached hereto OR ☒ was filed on June 18, 1998 as U.S. Application No. 09/100,189 and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign or U.S. Provisional application(s) for patent listed below, and have also identified below any foreign application(s) or Provisional application(s) for patent having a filing date before that of the application on which priority is claimed:

Prior Foreign or U.S. Provisional Application(s)

60/051,558  
(Number)

United States  
(Country)

2/July/1997  
(Day/Month/Year Filed)

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

<b>Ronald Zibelli,</b>	<b>Reg. No. 20,484;</b>	<b>Henry Fleischer,</b>	<b>Reg. No. 25,582;</b>
<b>John E. Beck,</b>	<b>Reg. No. 22,833;</b>	<b>Mark Costello,</b>	<b>Reg. No. 31,342;</b>
<b>Serge Abend,</b>	<b>Reg. No. 24,152;</b>	<b>Richard B. Domingo,</b>	<b>Reg. No. 36,784</b>

**ADDRESS ALL CORRESPONDENCE TO:**

**Ronald Zibelli**  
**Xerox Corporation**  
**Xerox Square 20A**  
**Rochester, New York 14644**

**DIRECT TELEPHONE CALLS TO:**

(name and telephone number)  
**Richard B. Domingo**  
**650-812-4269**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**DECLARATION AND POWER OF ATTORNEY, continued**

Attorney Docket No. D/95465

Name of sole or first inventor: Geoffrey D. Nunberg

Inventor's Signature: Geoffrey D. Nunberg

Residence: 678 Grand View Avenue, San Francisco, CA 94114

Citizenship: U.S.A.

Date: 8/31/98Post Office Address:  
(Same as above)

Name of second joint inventor: Hinrich Schuetze

Inventor's Signature: Hinrich Schuetze

Residence: 100 Portola Drive, Apt. 1, San Francisco, CA 94131-1552

Citizenship: Germany

Date: 7/17/98Post Office Address:  
(Same as above)

Name of third joint inventor: Jan O. Pedersen

Inventor's Signature: \_\_\_\_\_

Residence: 34398 Wellman Terrace, Fremont, CA 94555

Citizenship: U.S.A.

Date: \_\_\_\_\_

Post Office Address:  
(Same as above)

Name of fourth joint inventor: Brett L. Kessler

Inventor's Signature: \_\_\_\_\_

Residence: 1508 San Antonio Avenue, Apt. N, Menlo Park, CA 94025-3138

Citizenship: U.S.A.

Date: \_\_\_\_\_

Post Office Address:  
(Same as above)

Name of fifth joint inventor: Gregory Grefenstette

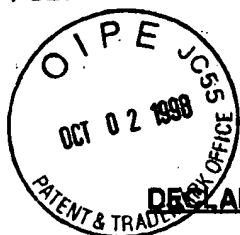
Inventor's Signature: \_\_\_\_\_

Residence: 21 Avenue de la Galochere, 38400 Saint Martin d'Heres, France

Citizenship: U.S.A.

Date: \_\_\_\_\_

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**Reg. No. 25,582;**

**John E. Beck,**

**Reg. No. 22,833;**

**Mark Costello,**

**Reg. No. 31,842;**

**Serge Abend,**

**Reg. No. 24,152;**

**Richard B. Domingo,**

**Reg. No. 36,784**

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**Xerox Corporation**

**Xerox Square 20A**

**Rochester, New York 14644**

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Residence: 678 Grand View Avenue, San Francisco, CA 94114

Citizenship: U.S.A.

Date: \_\_\_\_\_

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Name of second joint inventor: Hinrich Schuetze

Inventor's Signature: \_\_\_\_\_

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Citizenship: Germany

Date: \_\_\_\_\_

Post Office Address:  
(Same as above)

Name of third joint inventor: Jan O. Pedersen

Inventor's Signature: \_\_\_\_\_

Residence: 34398 Wellman Terrace, Fremont, CA 94555

Citizenship: U.S.A.

Date: \_\_\_\_\_

Post Office Address:  
(Same as above)

Name of fourth joint inventor: Brett L. Kessler

Inventor's Signature: \_\_\_\_\_

Residence: 1508 San Antonio Avenue, Apt. N, Menlo Park, CA 94025-3138

Citizenship: U.S.A.

Date: \_\_\_\_\_

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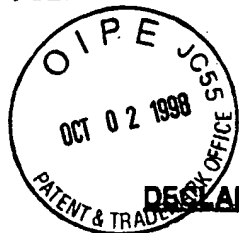
Inventor's Signature: Gregory Grefenstette

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Citizenship: U.S.A.

Date: Aug 10 78

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Citizenship: U.S.A. 3713 Bibbitts Dr., Palo Alto, CA 94303

Date: 7/26/98

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Inventor's Signature: \_\_\_\_\_

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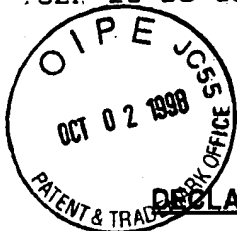
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Inventor's Signature: Brett L. Kessler

Residence: 1508 San Antonio Avenue, Apt. N, Menlo Park, CA 94025-3138

Citizenship: U.S.A.

Date: July 20, 1998Post Office Address:  
(Same as above)

Name of fifth joint inventor: Gregory Grefenstette

Inventor's Signature: \_\_\_\_\_

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Citizenship: U.S.A.

Date: \_\_\_\_\_

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